



National Transportation Safety Board Aviation Accident Data Summary

Location:	LIMA, OH	Accident Number:	CHI85LA178
Date & Time:	04/26/1985, 2120 EST	Registration:	N5544D
Aircraft:	BEECH H35	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Ferry		

Analysis

THE PLT WAS FLYING THE ACFT BACK TO THE HOME ARPT FOLLOWING AN ANNUAL INSPECTION WHEN HE NOTICED THE OIL PRESSURE WAS FALLING TO ZERO. APRX 3 MIN LATER, THE ENG SEIZED. SUBSEQUENTLY, AN EMERG GEAR-UP LANDING WAS MADE IN A FARM FIELD. AN EXAM REVEALED THE OIL PRESSURE LINE HAD FRACTURED AT THE FLARED END WHERE IT WAS CONNECTED TO A 90 DEG FITTING ON THE CRANKCASE. A METALLURGICAL EXAM REVEALED THE BREAK OCCURRED FROM OVERLOAD. AN INSPN OF THE ACFT ALSO REVEALED OTHER DISCREPANCIES. WIRES FROM THE OVER VOLTAGE RELAY'S FLD TERMINAL & THE ALTERNATOR FLD TERMINAL WERE MIS-ROUTED WHICH ALLOWED THE REGULATOR TO BE UNREGULATED. ALSO, AN ALLIGATOR CLIP WAS FOUND CONNECTED TO THE WIRING.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: CRUISE

Findings

1. (C) MAINTENANCE,ANNUAL INSPECTION - IMPROPER - OTHER MAINTENANCE PERSONNEL
2. (C) LUBRICATING SYSTEM,OIL LINE - OVERLOAD
3. (C) FLUID,OIL - EXHAUSTION

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) LIGHT CONDITION - NIGHT
5. WHEELS UP LANDING - PERFORMED
6. (F) TERRAIN CONDITION - ROUGH/UNEVEN

Pilot Information

Certificate:	Commercial	Age:	46
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1616 hours (Total, all aircraft), 1616 hours (Total, this make and model), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N5544D
Model/Series:	H35 H35	Engines:	1 Reciprocating
Operator:	BRIAN L. BROWNE	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-470-G
Flight Conducted Under:	Part 91: General Aviation - Ferry		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Bright
Observation Facility, Elevation:	FDY, 812 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	12 knots / , 40°
Temperature:	19° C	Visibility	20 Miles
Precipitation and Obscuration:			
Departure Point:	PEWEE VALLEY, KY (KY54)	Destination:	GROSSE ILE, MI (2G5)

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	PAMELA S KLECKNER	Adopted Date:	
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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